



NORTH CAROLINA

Department of Transportation

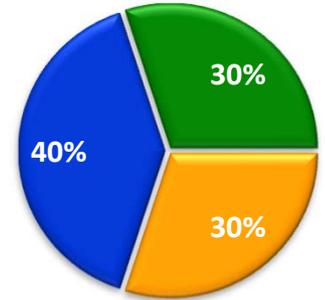


Cascading Projects in P5.0

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Division of Planning and Programming

May 2018

Scoring Process



Projects Submitted

- Data reviewed
- Quantitative scores calculated



Statewide Mobility

- Projects programmed based on quant. score



Regional Impact

- Local input pts assigned
- Total scores calculated
- Projects programmed



Division Needs

- Local input pts assigned
- Total scores calculated
- Projects programmed

Eligible Projects:

- REG projects
- SW projects not funded in SW

MPO Cascading Policy: The MPO points to any cascading project, but cascading projects on a case-by-case basis, and will provide written explanation and justification for any cascading project that justifies an exception

Eligible Projects:

- DIV projects
- SW, REG projects not funded in REG

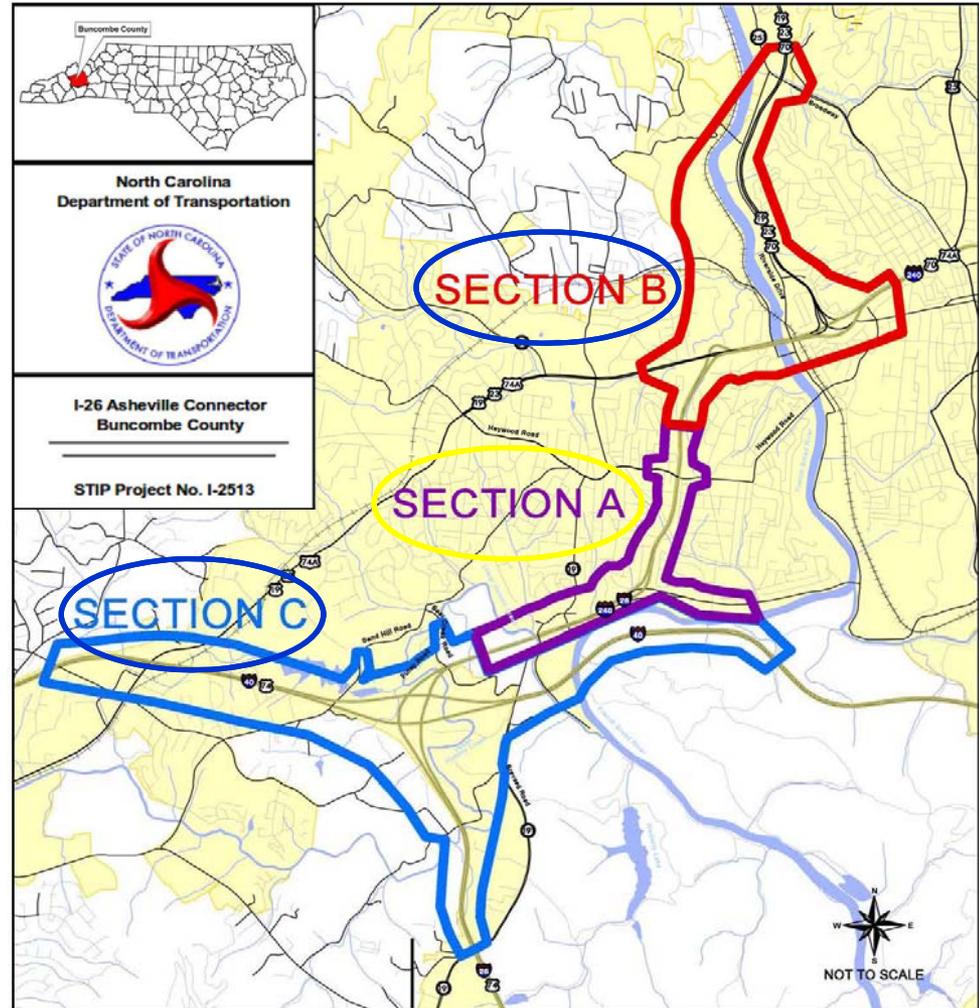
I-2513A Evaluation in P5.0

I-2513 B & C

- Committed Projects
- R/W & CON in 2020
- Design-Build

I-2513A

- I-40 to Haywood Road
- Cost ~ \$82M



I-2513 Schedule

FEIS Complete – August 2018

ROD – January 2019

Let Date – 2020 (Sections B, C) – A?

Remaining design items to be finalized by 2020

- Assignment of local input points does not affect finalization of remaining items

P5.0 Statewide Mobility Score

Funding Category	<u>QUANTITATIVE</u>	<u>LOCAL INPUT</u>		
	Data	Division	MPO/RPO	
Statewide Mobility	Congestion = 30%	}	100%	--
	Benefit-Cost = 25%			
	Freight = 25%			
	Safety = 10%			
	Economic Comp. = 10%			
	72.75			

Score of lowest funded project in P5.0 → 74.60

- 22 projects in between → \$2.4B
- Less \$ available than P4.0 for P5.0 projects

P4.0 SW score → 52.54

- Score of lowest funded project → 61.45 (58 projects between @\$4.3B)

Challenge to fund in SW

- Relatively short widening project

What if...

In P6.0 I-2513A scores high enough to be funded in SW

Likely wouldn't be funded before 2027*

Gap/bottleneck along corridor

EIS re-evaluation

- New traffic forecast
- Could re-open 6 lanes vs 8 lanes

Note: Projects for P6.0 likely won't be submitted until 2020 (3 yr gap)

*Unless new SW funding becomes available

P5.0 Regional Impact Score

Funding Category	<u>QUANTITATIVE</u>	<u>LOCAL INPUT</u>	
	Data	Division	MPO/RPO
Regional Impact	Congestion = 20%	70%	15%
	Benefit-Cost = 20%		
	Safety = 10%		
	Accessibility/Connectivity = 10%		
	Freight = 10%		
	43.84		15%

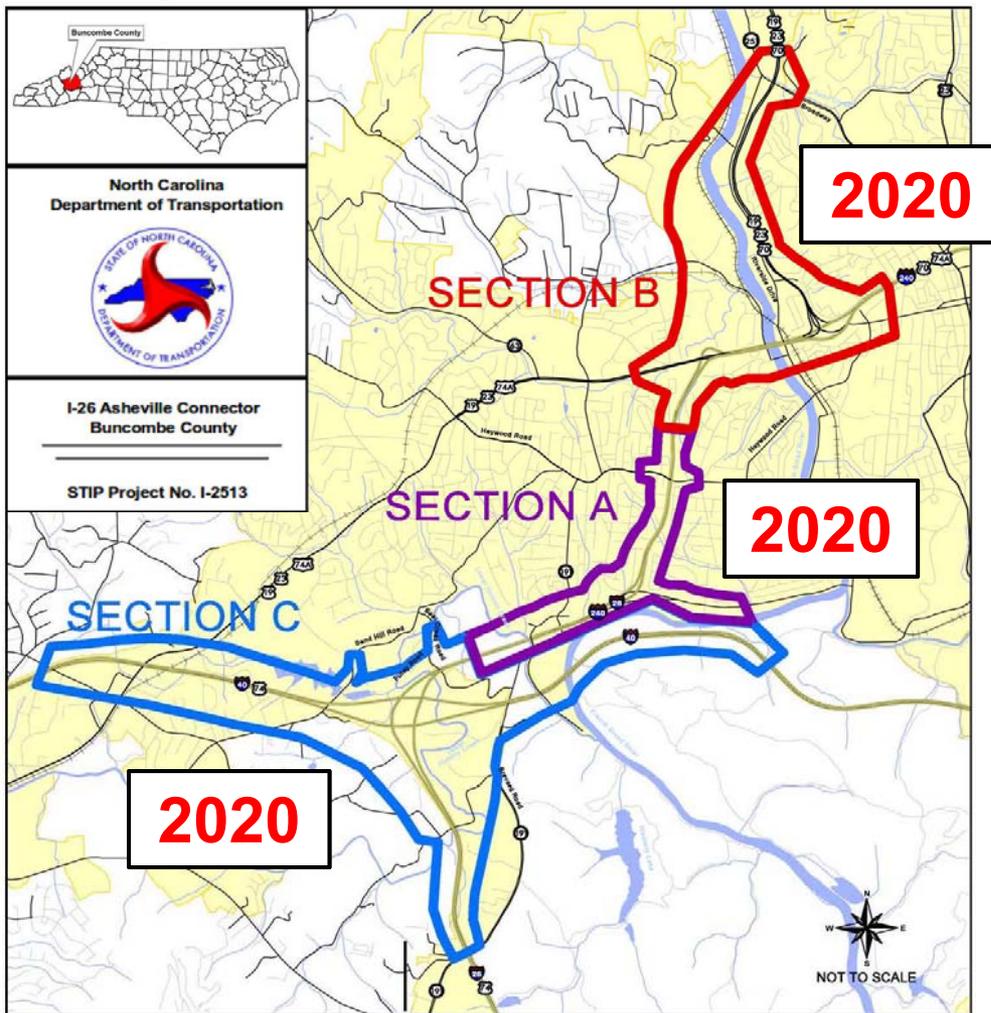
If Division and MPO assign points:

- Funded in 1st 5 yrs, potentially at same time as I-2513B&C

If Division and/or MPO do NOT assign points to I-2513A, see previous slide

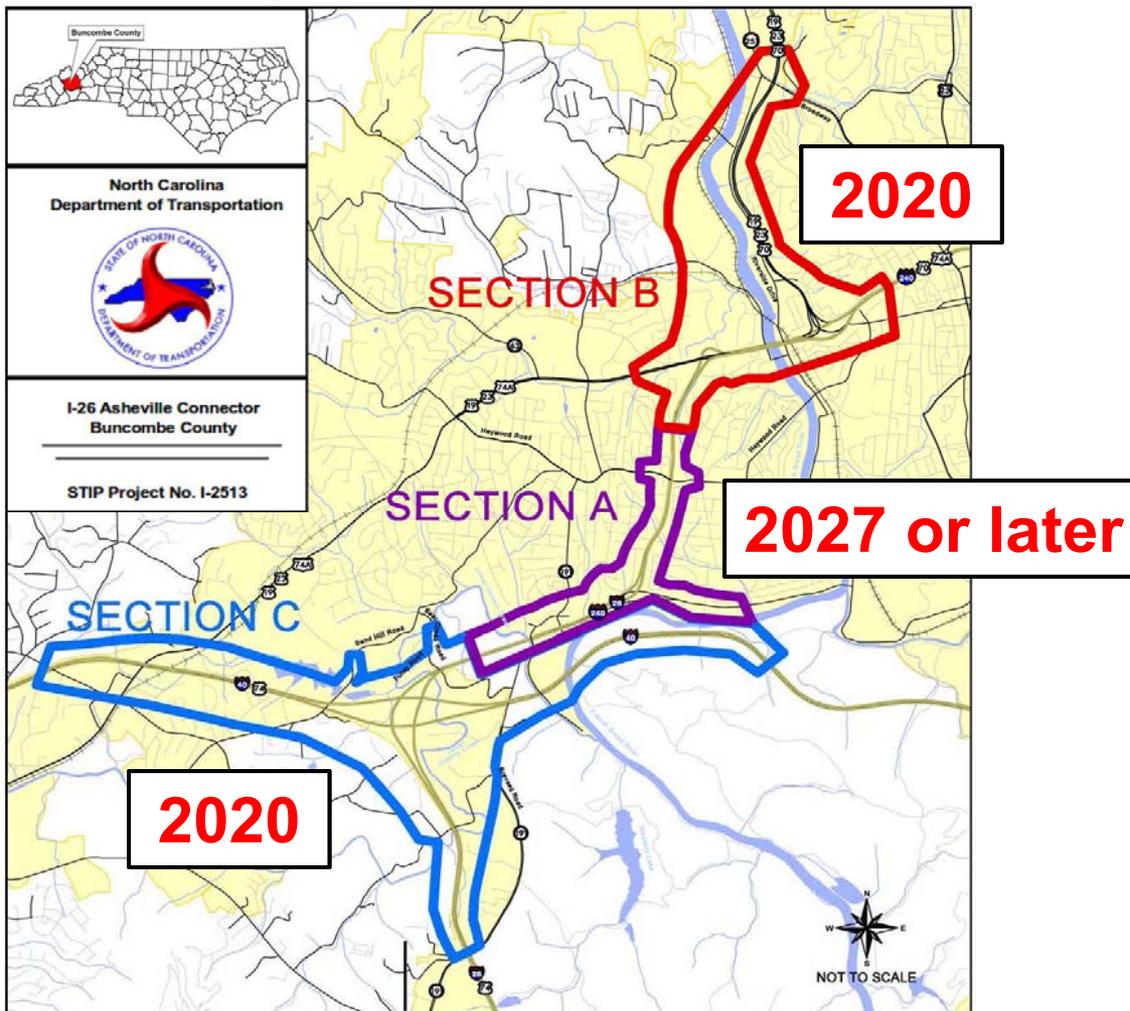
- Funding likely to go to projects outside of MPO (SWRPO)

I-2513 Timeframe if MPO and Division Assign Points to Section A



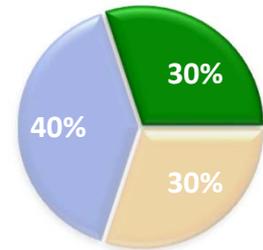
Timeframe is for Right-of-Way Acquisition, followed by Construction

I-2513 Timeframe if MPO and/or Division Don't Assign Points to Section A



Timeframe is for Right-of-Way Acquisition, followed by Construction

Prioritization 5.0 – Regional Impact Funding Availability (2020-2029)



Region	Total Allocation	Amount Programmed	Amount Available for P5.0 Projects
A (Divisions 1 & 4)	\$592,013	\$311,705	\$280,308
B (Divisions 2 & 3)	\$845,591	\$589,275	\$256,316
C (Divisions 5 & 6)	\$1,543,626	\$1,068,370	\$475,256
D (Divisions 7 & 9)	\$1,171,592	\$681,074	\$490,518
E (Divisions 8 & 10)	\$1,445,455	\$1,000,099	\$445,356
F (Divisions 11 & 12)	\$784,495	\$485,560	\$298,935
G (Division 13 & 14)	\$612,589	\$367,771	\$244,818
Total	\$6,995,361	\$4,503,854	\$2,491,507

Overprogram up to 10% → ~\$300M for P5.0

Top Scoring Projects in Region G

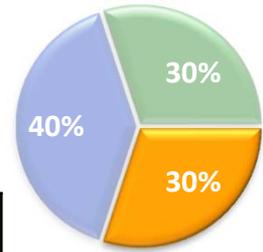
- Based on Quant. Scores Only (70%)
- Only one I-40 widening project included
- Does not include projects <\$1.5M (4)

Project	County(s)	Score	Cost (\$M)
NC 280 (Boylston Hwy) Access Mgmt Improvements in Mills River	Henderson	47.36	\$10
I-26 / I-240 Widening in West Asheville (I-2513A)	Buncombe	43.84	\$82
I-40 Widening west of Asheville (Wiggins to Monte Vista)	Buncombe	42.88	\$103 (\$11 R/W)
US 64 / N Washington Street Intersection Improvements	Rutherford	41.39	\$4
I-26 Widening south of Hendersonville (I-4400A)	Henderson	41.27	\$80
US 19 (Dellwood Road) Access Mgmt Improvements in Waynesville	Haywood	40.57	\$37
US 221 Widening north of Rutherfordton (R-2597A)	Rutherford	39.79	\$32
US 23/74 (Smoky Mtn Expwy) Modernization & Climbing Lane near BRP	Haywood	39.06	\$23
US 64 / NC 107 Intersection Improvements in Cashiers	Jackson	38.64	\$5
US 70 (Tunnel Road) Access Mgmt Improvements (Tunnel to Mall)	Buncombe	38.58	\$21
US 23/74 (Smoky Mtn Expwy) Modernization west of Dillsboro	Jackson	38.41	\$21
US 221 / NC 108 Intersection Improvements in Rutherfordton	Rutherford	38.19	\$3
US 23/441 Upgrade in Franklin	Macon	37.91	\$8
US 74A (Fairview Road) Access Mgmt Improvements (NC 81 to Cedar)	Buncombe	37.74	\$17
US 64 / US 64 Bus. Intersection Improvements in Brevard	Transylvania	37.18	\$5
NC 226 Widening in Marion	Mcdowell	36.89	\$9
US 64 Widening west of Hayesville (R-5847)	Clay, Cherokee	36.43	\$96
US 74 Widening east of Andrews	Cherokee, Macon	36.13	\$93

P5.0 I-40 Widening Projects in FBRMPO

From	To	County(s)	Cost (\$M)	SW Score (out of 100)	REG Quant Score (out of 70)
SR 1220 (Wiggins Road)	SR 1224 (Monte Vista Road)	Buncombe	\$103	74.16	42.88
SR 1220 (Wiggins Road)	Proposed Liberty Road Int.	Buncombe	\$68	73.77	42.77
NC 215 (Champion Drive)	SR 1200 (Wiggins Road)	Haywood, Buncombe	\$170	72.54	40.26
US 25 (Sweeten Creek Road)	SR 2838 (Porters Cover Road)	Buncombe	\$119	69.23	40.69
Proposed Liberty Road Int.	SR 1224 (Monte Vista Road)	Buncombe	\$29	68.83	39.70
NC 215 (Champion Drive)	US 23/74 (Smoky Mtn Expwy)	Haywood	\$61	64.63	40.84
NC 191 (Brevard Road)	US 25 (Sweeten Creek Road)	Buncombe	\$119	54.38	33.56

Prioritization 5.0 – Division Needs Funding Availability (2020-2029)



Division	Total Allocation	Amount Programmed	Amount Available for P5.0 Projects
Division 1	\$501,177	\$299,192	\$201,985
Division 2	\$501,177	\$356,530	\$144,647
Division 3	\$501,177	\$356,514	\$144,663
Division 4	\$501,177	\$221,921	\$279,256
Division 5	\$501,177	\$378,197	\$122,980
Division 6	\$501,177	\$274,640	\$226,537
Division 7	\$501,177	\$375,081	\$126,096
Division 8	\$501,177	\$251,005	\$250,172
Division 9	\$501,177	\$301,340	\$199,837
Division 10	\$501,177	\$326,253	\$174,924
Division 11	\$501,177	\$256,290	\$244,887
Division 12	\$501,177	\$366,244	\$134,933
Division 13	\$501,177	\$451,753	\$49,424
Division 14	\$501,177	\$348,862	\$200,000*
Total	\$7,016,478	\$4,563,822	\$2,452,656

Amounts shown are in \$1,000s, as of March 2018

*Includes \$ from removal of Balfour Pkwy ¹³

Revised P5.0 Schedule of Key Dates

Date	Activity
April 3, 2018	Quantitative Scores and Draft list of Programmed Statewide Mobility Projects released
April 3, 2018 – July 27, 2018	Regional Impact Local Input Points assignment window open for 4 months (Division Needs Local Input Points optional)
August 2018	NCDOT calculates Regional Impact total scores and programs Regional Impact projects
September – October 2018	Division Needs Local Input Point window opens for 2 months
November 2018	NCDOT calculates Division Needs total scores and programs Division Needs projects
December 2018	NCDOT prepares 2020-2029 Draft STIP
January 2019	2020-2029 Draft STIP released

Contact Information

STRATEGIC TRANSPORTATION INVESTMENTS

Smart decisions to keep North Carolina moving.

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